

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L4	12	"20030211724".pn. jp-2002329723-\$ did. jp-2001283716-\$ did. jp-2001181842-\$ did. jp-2002008523-\$ did. jp-11139815-\$ did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 15:11
L5	1	2003-156375.NRAN.	DERWENT	OR	ON	2006/12/27 15:13
L6	1	2003-156375.NRAN.	DERWENT	OR	ON	2006/12/27 15:50
L7	2	("20060091557").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/27 16:20
L8	368591	interconnect\$3 same (plug hole via or opening)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 20:03
L9	138800	carbon near (nanotube (nano near tube) nanomaterial (nano near material) fibrous fiber particle)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 16:29
L10	7010048	metal\$3 conduct\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 16:23
L11	2758	L8 and L9 and L10	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 16:24

## EAST Search History

L12	143296	(carbon near (nanotube (nano near tube) nanomaterial (nano near material) fibrous fiber particle nanohorn)) fullerene (thin near silicon near wir\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 17:41
L13	4	("2003/0211724").URPN.	USPAT	OR	ON	2006/12/27 17:19
L14	0	("7135773").URPN.	USPAT	OR	ON	2006/12/27 17:19
L15	6	("20020163079"   "20030179559"   "20030211724"   "20040152240"   "20050026411"   "20050048697").PN. OR ("7135773").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/27 17:22
L16	0	"60442450".ap.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/27 17:25
L17	208	977/742.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/27 17:25
L18	6	("20020163079"   "20030179559"   "20030211724"   "20040152240"   "20050026411"   "20050048697").PN. OR ("7135773").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/27 17:35
L19	145	977/932.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/27 17:35
L20	143	L19 not L17	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/27 20:06
L21	143268	(carbon near (nanotube (nano near tube) nanomaterial (nano near material) fibrous fiber particle nanohorn)) fullerene	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 20:00
L22	10354	((257/758,762,773,774,E23.145, E23.165) or (977/742)).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/27 18:00

## EAST Search History

L23	44	(257/E23.165).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/27 17:44
L24	7	("20010031900"   "20040075464"   "6515339"   "6517995"   "6737939"   "6741019").PN. OR ("6989325"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/27 17:49
L25	2	("20020167375").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/27 17:51
L26	0	("L22andL21").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/27 17:51
L27	306	L22 and L21	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 18:00
L28	10147	(257/758,762,773,774,E23.145,E23. 165).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/27 18:00
L29	10147	L22 and L28	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 18:00

## EAST Search History

L30	104	L21 and L28	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 18:00
L31	29	("5780101"   "5903010"   "5908692"   "5916642"   "6090545"   "6172902").PN. OR ("6340822"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/27 18:03
L32	29	("5926951"   "6129901"   "6159831"   "6228241"   "6231744").PN. OR ("6383923").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/27 18:09
L33	23	L32 not L31	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/27 18:23
L34	2	dangelo.in. and nanoconduction.as.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/27 18:23
L35	37	(carlos and dangelo).in.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/27 18:31
L36	2	("6852431").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/27 18:31
L37	0	("2006/0022342").URPN.	USPAT	OR	ON	2006/12/27 18:34
L38	2	("6720728").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/27 18:34
L39	62	L21 and L8 and (barrier near metal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 18:39

## EAST Search History

L40	280	L21 and (barrier near metal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 18:57
L41	218	L40 not L39	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 18:40
L42	0	("2004/0036400").URPN.	USPAT	OR	ON	2006/12/27 18:45
L43	15349	L21 and (diffus\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 18:57
L44	1025	L21 and (diffus\$3) and L8	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 18:57
L45	981	L44 not (L39 L40)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 18:57
L46	124137	(diffus\$3 barrier) same (Ta Ti TiN TaN titanium tantalum nitrogen)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 19:59
L47	120151	nanomaterial nanotube (nano near tube) (nano near material) (carbon near (fibrous fiber nanohorn)) fullerene (thin near silicon near wir\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 20:01

## EAST Search History

L48	2309	L46 and L47	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 20:01
L49	1874	L48 and (interconnect\$3 plug hole via opening)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/27 20:03
L50	1703	L17 L19 L23 L30 L32 L33 L40 L45	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/27 20:06
L51	1481	L49 not L50	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/27 20:09
L52	1343	L51 and (iron platinum nickel cobalt silicide fe pt ni co)	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/27 20:12
L53	40	L52 and (mocvd (metal near organic near chemical near vapor near deposition))	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/27 20:13